

**SAFETY DATA SHEET**

**GroVentive™**

**SECTION 1: Identification of the substance and supplier**

**Product name:** GroVentive  
**Recommended Use:** Horticultural insecticide

**Company:** Grosafe Chemicals Ltd.  
**Address:** 20 Jean Batten Drive, Mt Maunganui 3116 ( P.O. Box 14450 Tauranga 3143 )  
**Email:** [info@grosafe.co.nz](mailto:info@grosafe.co.nz)  
**Telephone Toll Free Number:** 0800 220 002  
**Emergency Telephone Number:**  
**(EMERGENCIES ONLY)** 0800 CHEMCALL ( 0800 243 622 )

**Date of Issue:** April 2017

**SECTION 2: Hazards Identification**

**HSNO Hazard Classification and Hazard Statements:**

**Signal word:** Warning

**6.5B** **May cause sensitisation from prolonged contact**  
**Prevention:** Contaminated work clothing should not be allowed out of the workplace  
Avoid breathing in mist/vapour/spray during application  
Wear protective gloves/clothing/eye/face during application  
**Response:** IF ON SKIN wash with plenty of soap and water  
If skin irritation or rash occurs, get medical advice/attention  
Specific treatment (see first aid instructions on this label)  
Wash contaminated clothing

**6.8B** **May cause reproductive / developmental damage from repeated oral exposure**  
**Prevention:** Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
**Response:** IF exposed or concerned, get medical attention/advice

**9.1C** **Harmful to aquatic organisms, with long-lasting effects.**  
**Prevention** Avoid release to the environment

**Storage & Disposal Hazard Statements:**

Store locked up  
Dispose of contents/container in accordance with the local regulation (see section 13 for further information)

**SECTION 3: Composition/information on ingredients**

<u>Ingredients</u>	<u>CAS Number</u>	<u>Content</u>
spirotetramat	(CAS# 203313-25-1)	100 g/l

## SECTION 4: First Aid Measures

In case of poisoning by any route contact a doctor or Poisons Information Centre.

**Swallowed:** If large quantities are ingested, drink plenty of water. **Do not induce vomiting.** Immediately contact a doctor or Poisons Information Centre.

**Eye:** Flush eyes with large quantities of water for 15 minutes. Seek medical advice.

**Skin:** If contact occurs remove contaminated clothing and wash affected areas thoroughly with soap and water. Consult a doctor if irritation persists.

**Advice to Doctor:** No specific antidote is available. If poisoning is suspected apply symptomatic therapy. Contact Poisons Information Centre ( 0800 POISON (0800 764 766) for more information.

## SECTION 5: Fire Fighting Measures

Suitable extinguisher:	Fine water spray, foam, sand, Carbon dioxide (CO <sub>2</sub> ).
Special hazards arising from the substance:	May form hazardous decomposition products
Firefighter advice:	Wear self-contained breathing apparatus

Dangerous Goods Class:	9
HAZCHEM CODE:	2 Z
Flammability:	Non-flammable

## SECTION 6: Accidental Release Measures

In case of spill or leak, wear protective clothing to avoid contact with the spilled product and/or contaminated surfaces.

Control the spill at its source. Contain the spill to prevent it from spreading, contaminating soil, or entering sewage and drainage systems or any body of water.

Clean up spills immediately, observing precautions outlined in Section 8. Cover entire spill with absorbing material and place into compatible disposal container. Scrub area with water plus detergent. Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposal.

## SECTION 7: Handling and Storage

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store with food or drink. Wash thoroughly with soap and water after handling.

## SECTION 8: Exposure Control/Personal Protection

**THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING, TRANSPORT AND STORAGE OF THIS PRODUCT.**

**FOR COMMERCIAL APPLICATIONS OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.**

TWA ( active ingredient) 2.8 mg/ m<sup>3</sup>

Ingestion: Prevent eating, drinking, tobacco use and cosmetic application in areas where there is a potential for exposure to the material, Wash thoroughly with soap and water after handling.

Eye Contact:	Where eye contact is likely, use chemical splash goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.
Skin Contact:	Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.
Inhalation:	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below exposure limits.

## SECTION 9: Physical and Chemical Properties

Appearance:	Off white / beige liquid
Odour:	Characteristic
pH:	4 – 5 at 23 °C ( undiluted )
Boiling Point:	ca. 100 °C.
Flammable (Explosive) Limits:	Non flammable
Explosive Properties:	Not explosive
Relative density:	1.08 g/cm <sup>3</sup> 20 °C.
Solubility:	Forms a suspension

## SECTION 10: Stability and Reactivity

Stability:	Stable
Conditions to avoid:	Extreme heat / freezing
Materials to avoid:	Acids / alkalis
Hazardous Decomposition Products:	May be formed at high temperatures
Hazardous Polymerisation:	Will not occur

## SECTION 11: Toxicological Information

(for the active ingredient: spirotetramat )

Acute oral toxicity:	LD <sub>50</sub> : (rat) >2000mg/kg
Acute inhalation toxicity:	LC <sub>50</sub> : (rat) >2.8mg/l
	Exposure time: 4h Highest attainable concentration
Acute Dermal Toxicity	LD <sub>50</sub> (rat) >2,000mg/kg
Skin irritation:	No skin irritation (rabbit)
Eye irritation:	No eye irritation (rabbit)
Sensitization:	Sensitizing (guinea pig) Buehler test

## SECTION 12: Environmental Information

### Ecotoxicity

#### Fish toxicity:

LC<sub>50</sub>: 22.3 mg/L (96 h); rainbow trout (*Oncorhynchus mykiss*)

#### Aquatic invertebrate toxicity:

EC<sub>50</sub>: 42.7 mg/L (48 h) *Daphnia magna*

#### Toxicity to algae

LC<sub>50</sub>: 213.6 mg/L ( 72 h) *Pseudokirchneriella subcapitata*

### Environmental fate, persistence and degradability, mobility

Spirotetramat has medium mobility, it degrades quickly in the environment. It does not bio-accumulate.

## SECTION 13: Disposal Considerations

**Product:** If possible dispose of according to the label directions. Otherwise contact a certified waste disposal company.

**Containers:** Do not reuse product containers. Triple rinse, remove hazard labels and take to an Agrecovery collection site.

## SECTION 14: Transport Information

<b>UN number</b>	3082
<b>Proper shipping name</b>	Environmentally hazardous substance (100g/L spirotetramat)
<b>Class and Subsidiary Risk</b>	9
<b>Packing Group</b>	III
<b>Hazchem code</b>	2Z
<b>Marine Pollutant</b>	Yes

## SECTION 15: Regulatory Information

**GroVentive** is a registered product under the ACVM Act 1997 (P 9524).  
See [www.nzfsa.govt.nz/acvm/](http://www.nzfsa.govt.nz/acvm/) for registration conditions.

**GroVentive** is approved under the HSNO Act 1996 (HSR100545).  
See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions

Note: The information contained herein is given in good faith, but no warranty, expressed or implied, is made. Consult Grosafe Chemicals Ltd. for further information.