

SAFETY DATA SHEET

HORTCARE™ Spinosad SC

SECTION 1: Identification of the substance and supplier

Product name: HORTCARE Spinosad SC
Recommended Use: Insecticide

Company: Grosafe Chemicals Ltd.
Address: 20, Jean Batten Drive, Mt Maunganui. (P.O. Box 1450 Tauranga)
Email: info@grosafe.co.nz
Telephone Toll Free Number:
Emergency Telephone Number: 0800 CHEMCALL (0800 243622)
(EMERGENCIES ONLY)

Date of Issue: March 2017

SECTION 2: Hazards Identification

HSNO Hazard Classification: 6.9B (harmful to target organs), 9.1A (very toxic to aquatic organisms),
9.4A (very toxic to terrestrial invertebrates)

SECTION 3: Composition/information on ingredients

<u>Ingredients</u>	<u>CAS Number</u>	<u>Content</u>
spinosad	168316-95-8	~12 %
propylene glycol	57-55-6	4.5 %

SECTION 4: First Aid Measures

Skin contact: Wash with soap and water. Wash contaminated clothing before reuse.

Eye contact: Flush eyes with clean water. If irritation persists consult a doctor

Ingestion: Drink a glass of water. DO NOT induce vomiting. Call a doctor.

Inhalation: Move to fresh air. If symptoms develop call a doctor..

Advice to doctor : No specific requirements, treat symptomatically.

Consult The National Poisons Information Centre, 0800 POSITION (0800 764 766), or a Doctor in every case of suspected chemical poisoning. Never give fluids or induce vomiting if a patient is unconscious or convulsing regardless of cause of injury. If breathing difficulties occur seek medical attention immediately.

SECTION 5: Fire Fighting Measures

Flammable properties:	Not flammable (aqueous suspension)
Polymerisation:	Not known to occur.
Hazardous Decomposition Products:	Unidentified oxides of carbon, nitrogen
Fire & Explosion Hazards:	Will not burn until water has evaporated
Special Fire Fighting procedures:	Evacuate personal to a safe area. Wear breathing apparatus and full protective clothing. Do not allow water from fire-fighting to enter water supplies, or drainage systems
Extinguishing Media:	Water fog, foam, CO ₂ , or dry chemical extinguishers.

SECTION 6: Accidental Release Measures

Wear appropriate protective equipment (see Section 8). Clear the area of all unprotected personnel. Prevent entry of chemical or used/damaged containers into sewers, drains, streams or waterways. If necessary, inform the police and the Regional Council. For the purposes of complying with Hazardous Substances (Disposal) Regulations (2001) this SDS must be made available within 10 minutes to any person using the product.

Small Spill:	Cover entire spill with absorbing material and place into compatible disposal container.
Large Spill:	Stop further release of spilled material. Recover liquid product or absorb as appropriate and place in secure containers for disposal. Clean area of spill with water plus detergent. Consult local authority regarding disposal of all waste and rinseate. If further information is required, telephone Grosafe Chemicals Ltd. at (07) 579 0497.

SECTION 7: Handling and Storage

Handling

Avoid contact with eyes and skin. Keep away from food, drink and animal feedstuffs. After work, remove protective clothing, and wash hands before eating, smoking, drinking or using the toilet. Clean up spilled material immediately, and wash clothes, equipment and work area after use.

Storage

Keep out of reach of children and animals. Store in tightly closed original containers in a cool, dry, well-ventilated area, out of direct sunlight. Do not store with food, feedstuffs, fertilisers and seeds.

This substance is subject to a requirement for an emergency management response plan, secondary containment and signage, whenever it is held in quantities of 100 litres or more, either alone or in aggregate with other hazardous substances. See Hazardous Substances (Emergency Management) Regulations 25 to 42.

SECTION 8: Exposure Control/Personal Protection

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

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

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.

SECTION 8: Exposure Control/Personal Protection (cont.d)

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 liquid
Odour	Sharp odour
pH:	ca. 8 (100 %)
Density:	ca. 1.034
Solubility in water:	Forms a dispersion
Corrosiveness:	Not corrosive
Flammability /combustibility:	Non flammable (aqueous liquid)

See also Section 5 and 10

SECTION 10: Stability and Reactivity

Chemical Stability:	Stable under normal storage conditions
Materials to avoid:	None especially.
Hazardous Decomposition Products:	If product is involved in a fire, carbon dioxide, carbon monoxide, may be formed.
Hazardous polymerisation:	Not known to occur

SECTION 11: Toxicological Information

Health effects: See symptoms of Exposure in Section 4

Acute Toxicity (product)

Acute oral toxicity (rat): > 5,000 mg/ kg

Acute dermal toxicity (rabbit): > 5,000 mg/ kg

Inhalation toxicity (4 hr. rat): > 17 mg/ Litre

Irritation (product)

Eye: Temporary irritant

Skin: Essentially non irritating

Skin Sensitisation: Non-sensitiser

Chronic toxicity

Repeated doses at high rates (many times higher than to be expected in normal use) can cause vacuolization of cells in various tissues.

SECTION 12: Environmental Information

ECOTOXICITY

Fish and aquatic organisms:	Highly toxic.
Birds:	Low toxicity
Terrestrial invertebrates (including bees):	Highly toxic
Earthworms:	Low toxicity
Environmental degradation:	Slow
Bioaccumulation potential:	Low
Partition coefficient (octanol/water):	log Pow: 1.03
Soil Mobility:	Low

SECTION 13: Disposal Considerations

Do not reuse product containers. Dispose of product containers, waste containers, and residues according to regional or local body bylaws. See disposal instructions on label.

SECTION 14: Transport Information

UN Number:	3082
UN Shipping Name:	ENVIRONMENTALLY HAZARDOUS LIQUID, (CONTAINS SPINOSAD 12%)
MARINE POLLUTANT:	yes
UN Packing Group:	III
Hazchem Code:	2 Z

SECTION 15: Regulatory Information

Hortcare Spinosad SC is a registered product under the ACVM Act 1997 (P008879).
Hortcare Spinosad SC is approved under the HSNO Act 1996 (HSR000714).

This SDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. No warranty, express or implied is made since we cannot anticipate or control the conditions under which the product may be used.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Grosafe Chemicals Ltd.