

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **FoliaStim Calcium SC**
 Product Use: Fertiliser
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd
 Address: 10 Firth Street
 Drury, 2113

Telephone: +64 9 294 8453
 Fax Number: +64 9 294 7272

Emergency Telephone: 0800 764 766 (National Poison Centre)

Date of SDS Preparation: 2 June 2022

Section 2. Hazards Identification

Not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.

Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Non-hazardous ingredients	To 100	-

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse immediately with plenty of water for 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an ophthalmologist if irritation persists.

If on Skin: Rinse with water. Soap may be used. Remove all contaminated clothing and footwear. Take victim to a doctor if irritation persists.

If Swallowed: Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Consult a doctor/medical service if needed.

If Inhaled: Remove person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow person to assume most comfortable position and keep warm. Keep at rest until fully recovered. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed

Symptoms: No significant effects or critical hazards known.

Advice to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	The product is non-flammable and non-combustible.
Explosion hazard	No direct explosion hazard.
Hazards from products	When it is heated above 600 ° c, calcium carbonate decomposes into calcium oxide (CaO) and carbon dioxide (CO ₂). Calcium oxide reacts with water and release heat. This can be a risk for inflammable material.
Suitable Extinguishing media	Dry chemical, CO ₂ , or water spray or regular foam. Use fire extinguishing methods suitable to surrounding conditions.
Precautions for firefighters and special protective clothing	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire- fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents. Exposure to fire/heat: keep upwind, consider evacuation and have neighbourhood close doors and windows. Dilute toxic gases with water spray.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Ensure adequate air ventilation. Do not get in eyes, on skin, or on clothing. Keep away from naked flames/heat. Wear PPE as detailed in Section 8. Keep unnecessary and unprotected personnel from entering. Mark the danger area. No naked flames/heat.

Prevent soil and water pollution.

Any spillage should be cleaned up immediately. Collect spill in closed and suitable containers for disposal. Take up rest of liquid spill into absorbent material sand, earth, vermiculite. Scoop absorbed substance into closing containers. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

Clean up the product thoroughly as it is slippery. Keep out of reach of acids. Dispose of materials or solid residues at an authorized site.

Section 7. Handling and Storage

Precautions for Handling:

- Product can cause staining.
- Use sufficient ventilation.
- Do not get in eyes, on skin, or on clothing.
- Wear protective gloves/protective clothing/eye protection as advised in section 8.
- Do not eat, drink or smoke during use.
- Always wash hands after handling the product.
- Remove contaminated clothing and protective equipment before entering eating areas.
- Keep away from food, drink and animal feeding stuffs.
- Do not discharge the waste into the drain.

Precautions for Storage:

- Store in a cool, dry, well ventilated place away from sources of heat, ignition and direct sunlight.
- Storage Temperature: 5°C - 30°C
- Keep in original container.

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

Substance	TWA	STEL
	ppm mg/m ³	ppm mg/m ³

No ingredients have exposure limits

Workplace Exposure Standard – Time Weighted Average (WES-TWA). The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure. Workplace Exposure Standard – Short-Term Exposure Limit (WESSTEL). The 15-minute average exposure standard. Applies to any 15- Minute period in the working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES-STEL is not an alternative to the WES-TWA; both the short-term and time-weighted average exposures apply. Workplace Exposure Standards and Biological Exposure Indices APRIL 2022 13TH EDITION.

Engineering Controls

Ensure good ventilation of the work station.

Personal Protection Equipment

Eyes	Safety glasses.
Hands	Wear protective gloves.
Skin	Protective clothing.
Respiratory	Not required.

Section 9**Physical and Chemical Properties**

Appearance	Suspension
Colour	Light brown
Odour	Marine like
Molecular Weight	Not available
Odour Threshold	Not available
pH	Not available
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not available
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Relative Vapour Density	Not available
Relative Density	Not available
Density	Not available
Solubilities	Water - complete
Log Pow	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity, kinematic	<100 cP
Particle Characteristics	Not available
Other Properties	Not available
VOC Content	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions.
Reactivity	No dangerous reactions known under normal conditions of use.
Conditions to Avoid	Oxidants and acid may cause degradation of the product.
Incompatible Materials	Keep substance away from: oxidizing agents. Strong acids.
Hazardous Decomposition Products	When it is heated above 600 ° c, calcium carbonate decomposes into calcium oxide (CaO) and carbon dioxide (CO ₂). Calcium oxide reacts with water and release heat.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable.
Dermal	Not applicable.
Inhalation	Not applicable.
Eye	Not applicable.
Skin	Not applicable.

Chronic Effects:

Carcinogenicity	Not applicable.
Reproductive Toxicity	Not applicable.
Germ Cell Mutagenicity	Not applicable.
Aspiration	Not applicable.
STOT/SE	Not applicable.
STOT/RE	Not applicable.

Section 12. Ecotoxicological Information

Not considered a hazard to the environment.

Persistence and degradability	Not applicable.
Bioaccumulation	Not applicable.
Mobility in Soil	Solubility in water.
Other adverse effects	No other effects known.

Section 13. Disposal Considerations

Disposal methods:

Triple rinse container and dispose as per Local Regulations. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Empty and rinsed containers can be disposed as non-hazardous material or be returned for recycling.

Precautions or conditions to avoid: None known.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

Section 15 Regulatory Information

Not classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.

HSWA & EPA Controls	Trigger Quantity
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	Not required
Secondary Containment	Not required
Restriction of Use	Not required

Section 16 Other Information

Glossary

Cat	Category
EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC ₅₀	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD ₅₀	Lethal dose to kill 50% of test animals/organisms.
LEL	Lower explosive level.
OSHA	American Occupational Safety and Health Administration.
TEL	Tolerable Exposure Limit.
TLV	Threshold Limit Value-an exposure limit set by responsible authority.
UEL	Upper Explosive Level
WES	Workplace Exposure Limit

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2012
5. HSW (Hazardous Substances) Regulations 2017

Disclaimer

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Please contact the New Zealand distributor, if further information is required.

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