

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product:	Fetrilon Combi 1
Product No:	000000001616112006
Product Use:	Fertilizer
Restrictions 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
New Zealand:	0800 764 766 (National Poison Centre)
Date of SDS Preparation:	20 September 2017

Section 2. Hazards Identification

This substance is NOT hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Section 3. Composition / Information on Ingredients

Mixtures

Chemical nature : Metal chelate
Mixture of micro-nutrients

Hazardous components

Remarks : No hazardous ingredients

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes	Rinse cautiously with water for several minutes. If eye irritation persists: Get medical advice.
If on Skin	Wash with plenty of soap and water. If skin irritation occurs: get medical advice/attention.
If Swallowed	Immediately rinse the mouth with water and drink afterwards plenty of water. Consult the doctor in case of persistent trouble.
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 information available.

Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	Fire may cause evolution of: Carbon oxides Nitrogen oxides (NOx)
Suitable Extinguishing media	Dry powder Foam Carbon dioxide (CO2) Water spray jet Do not use: High volume water jet
Precautions for firefighters and special protective clothing	In the event of fire, wear self-contained breathing apparatus. In the event of fire and/or explosion do not breathe fumes. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear appropriate PPE as detailed in Section 8. Avoid breathing dust. Avoid dust formation. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Keep away from sources of ignition - No smoking.

Use mechanical handling equipment for cleanup. Sweep up or vacuum up spillage and collect in suitable container for disposal. Dispose of according to Section 13.

Do not allow to enter into surface water or drains.

Section 7. Handling and Storage**Handling**

- Avoid dust formation.
- Keep away from heat and sources of ignition.
- Keep away from food, drink and animal feeding stuffs.
- Take off immediately all contaminated clothing.
- Wash hands before breaks and at the end of workday.
- Do not breathe dust.
- Wear protective clothing.

Storage

- Keep in a dry, cool and well-ventilated place.
- Recommended storage temp: -10 -30°C
- Store away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection**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.

Engineering Controls

Ensure adequate ventilation.

Eyes	In case of dust formation: Tightly fitting safety goggles.
Hands and Skin	Protective gloves complying with EN 374. Break through time: >480 min. Wear protective suit.
Respiratory	When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with a particle filter P2 (EN 143)

Section 9 Physical and Chemical Properties

Appearance	Crystalline
Colour	Green
Odour	Odourless
Odour Threshold	Not available
pH @ 20°C	4,5 - 6,5, Concentration: 10 g/l (20 °C)
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	The product is not flammable.
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Bulk Density	650 - 750 kg/m ³
Solubilities	Soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	No decomposition if stored and applied as directed.
Kinematic Viscosity	Not available
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	No decomposition if stored and applied as directed. Avoid heat.
Hazardous Reactions	None known.
Incompatible Materials	Strong oxidizing agents Strong acids
Hazardous Decomposition Products	Nitrogen oxides (NOx) Carbon monoxide Carbon dioxide (CO2)

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

This product is not hazardous to the environment.

Persistence and degradability	No data available.
Bioaccumulation	No data available.
Mobility in Soil	No data available.
Other adverse effects	No data available.

Section 13. Disposal Considerations

Disposal Method:

Triple rinse container. Cleaned packaging maybe offered for recycling or landfill in accordance with local regulations. Dispose of unwanted product as a hazardous material according to Local Regulations.

Precautions and methods 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

This substance is NOT hazardous according to the *HSNO (Minimum Degrees of Hazard) Regulations 2001*

Section 16 Other Information

Glossary

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

1. HSNO Approved Code of Practice: Preparation of Safety Data Sheets, September 2006.

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

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