

## 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: 23 August 2022 v2

### Section 2. Hazards Identification

Classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017.

**EPA Approval No: Fertilisers (subsidiary) – HSR002571**

#### Pictograms



Signal Word: **DANGER**

GHS Classification and Category	Hazard Code	Hazard Statement
Reproductive toxicity Cat. 1	H360	May damage fertility or the unborn child.

Prevention Code	Prevention Statement
P103	Read label before use.
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P281	Use personal protective equipment as required.

Response Code	Response Statement
P308 + P313	IF exposed or concerned: Get medical advice/ attention.

Storage Code	Storage Statement
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P405	Store locked up.
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<b>Disposal Code</b>	<b>Disposal Statement</b>
P501	Dispose of according to Local Regulations or Authorities

### Section 3. Composition / Information on Ingredients

#### Mixtures

Chemical nature : Metal chelate  
Mixture of micro-nutrients

Ingredients	Wt%	CAS NUMBER.
Boric acid	<5.5	10043-35-3

### 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 Rinse the mouth with water and drink afterwards plenty of water. Induce vomiting, but only if victim is fully conscious. Obtain medical attention. Consult the doctor 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: May damage fertility or the unborn child.

#### Indication of any immediate medical attention and special treatment needed

Treatment Treat symptomatically.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non Flammable
<b>Hazards from combustion products</b>	Fire may cause evolution of: Carbon oxides Nitrogen oxides (NOx)
<b>Suitable Extinguishing media</b>	Dry powder Foam Carbon dioxide (CO2) Water spray jet Do not use: High volume water jet
<b>Precautions for firefighters and special protective clothing</b>	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.
<b>HAZCHEM CODE</b>	<b>None allocated</b>

### 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. Ensure adequate ventilation.

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

- Read label before use.
- Obtain special instructions before use.
- Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required.
- 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 or fumes.
- Wear protective clothing.
- Use protective skin cream before handling the product.

### Storage

- Keep in a dry, cool and well-ventilated place.
- Store locked up.
- 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 <sup>3</sup>	ppm	mg/m <sup>3</sup>

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 adequate ventilation.

### Personal Protective Equipment:



<b>Eyes</b>	Tightly fitting safety goggles.
<b>Hands and Skin</b>	Protective gloves complying with EN 374. Break through time: >480 min. Wear protective suit.
<b>Respiratory</b>	Particle filtering disposable mask DIN EN 149 with filter FFP2. Wear suitable

	protective equipment.
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## Section 9 Physical and Chemical Properties

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

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	No decomposition if stored and applied as directed. Avoid heat.
<b>Hazardous Reactions</b>	None known.
<b>Incompatible Materials</b>	Strong oxidizing agents Strong acids
<b>Hazardous Decomposition Products</b>	Nitrogen oxides (NO <sub>x</sub> ) Carbon monoxide Carbon dioxide (CO <sub>2</sub> )

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable. LD50 (Rat): > 2.000 mg/kg
<b>Dermal</b>	Not applicable.
<b>Inhalation</b>	Not applicable.
<b>Eye</b>	Not applicable.
<b>Skin</b>	Not applicable.

### Chronic Effects:

<b>Carcinogenicity</b>	Not applicable.
<b>Reproductive Toxicity</b>	May damage fertility or the unborn child.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.

<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

**Components:**

**boric acid:**

Acute oral toxicity : LD50 (Rat): 3.450 mg/kg  
 Acute inhalation toxicity : LC50 (Rat, male and female): > 2,12 mg/l  
 Method: OECD Test Guideline 403  
 Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg

**Section 12. Ecotoxicological Information**

This product is not hazardous to the environment.

**Product:**

Toxicity to fish : > 100 mg/l  
 Test Type: LC50  
 Remarks: The product was not tested. The statement was derived from products of similar structure and composition

<b>Persistence and degradability</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Mobility in Soil</b>	No data available.
<b>Other adverse effects</b>	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:**

Do not flush into surface water or sanitary sewer system.

**Section 14 Transport Information**

**This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2020**

**Section 15 Regulatory Information**

**Classified as hazardous according to Regulation (EC) No. 1272/2008 [CLP] which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Safety Data Sheets) Notice 2017.**

**EPA Approval No: Fertilisers (subsidiary) – HSR002571**

**Trigger quantities:**

<b>HSWA &amp; EPA Controls</b>	<b>Trigger Quantity</b>
Certified Handler	Not required
Location Certificate	Not required
Tracking Trigger Quantities	Not required
Signage Trigger Quantities	Not required
Emergency Response Plan	10 000kg
Secondary Containment	10 000kg
Restriction of Use	None

**Glossary**

Cat	Category
EC <sub>50</sub>	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
LC <sub>50</sub>	Lethal concentration that will kill 50% of the test organisms inhaling or ingesting it.
LD <sub>50</sub>	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 5433:2020
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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23 August 2022

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