

SAFETY DATA SHEET

Section 1. Identification of the material and the supplier

Product: **Wuxal Fulvic**
 Product Use: Plant Strengthenener
 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: 18 October 2021

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.
Fulvic Acid	Proprietary	479-66-3

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

If on Skin: Wash skin with soap and water. Seek medical advice if needed.

If Swallowed: Rinse mouth with water. Seek medical advice 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: None known.

Advice to Doctor: Treat symptomatically.

Section 5. Fire Fighting Measures

Hazard Type	The product is non-flammable and non-combustible. The product itself does not burn.
Hazards from products	Oxides of carbon
Suitable Extinguishing media	Water spray jet, Water mist, carbon dioxide, Powder. Do not use a strong water jet.
Precautions for firefighters and special protective clothing	Provide a conveniently located respiratory protective device. Do not allow water used to extinguish fire to enter drains, ground or waterways.
HAZCHEM CODE	None allocated.

Section 6. Accidental Release Measures

Ensure adequate ventilation. Wear PPE as detailed in Section 8. Keep unnecessary and unprotected personnel from entering.

Do not allow to enter into surface water or drains.

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculite, diatomaceous earth) and collect it. Dispose in appropriate containers in accordance with the local regulations (see section 13).

Section 7. Handling and Storage

Precautions for Handling:

- Avoid contact with skin, eyes and clothes.
- When using do not eat, drink or smoke.
- Personal protection equipment: refer to section 8.
- Follow the legal protection and safety regulations.

Precautions for Storage:

- Protect from heat and direct sunlight.
- Keep container tightly closed.
- Always keep in containers that correspond to the material of the original container.
- Store in a well-ventilated and dry room at temperatures between 5 °C and 35 °C.

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. Workplace Exposure Standards and Biological Exposure Indices NOV 2020 12TH EDITION.

Engineering Controls

Ensure adequate ventilation.

Personal Protection Equipment



Eyes	Wear closely fitting protective glasses in case of splashes.
Hands	For prolonged or repeated handling the following glove material must be used: e.g. NBR (Nitrile rubber).
Skin	Wear suitable protective clothing, e.g. from cotton wool or heat resistant synthetic fiber.
Respiratory	Usually no personal respiratory protection necessary.
General	After contact clean skin thoroughly with water and soap or use appropriate cleanser.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Brown
Odour	Characteristic
Odour Threshold	Not available
pH	8 @ 20°C
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 at 20 °C	1,10 g/cm ³
Solubilities	Very Soluble
Log Pow	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity, dynamic	Not available
Particle Characteristics	Not available
VOC Content	Not available
Other Properties	Not available

Section 10. Stability and Reactivity

Stability of Substance	Stable under normal conditions.
Possible hazardous reactions	No hazardous reaction when handled and stored according to provisions.
Conditions to Avoid	Protect from heat and direct sunlight.
Incompatible Materials	Alkali (lye)
Hazardous Decomposition Products	Does not decompose when used for intended uses. Hazardous decomposition byproducts may form with exposure to high temperatures

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

Based on available data, the classification criteria are not met.

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 methods:**

Triple rinse container and dispose as per Local Regulations.

Packaging disposal recommendations:

Non-contaminated packages may be recycled.

Precautions:

Do not allow to enter into surface water or drains.

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.

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 2017 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

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

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