

SAFETY DATA SHEET

According to
HSNO Hazardous Substances (Safety Data Sheets) Notice 2017

Section 1. Identification of the material and the supplier

Product: **LignoHumate**
Product Use: For agricultural use only. Not for human or animal consumption - A commercial agricultural product used to improve soil and/or plant health and for improved growth.
Restriction of Use: Refer to Section 15
New Zealand Supplier: **Waikaitu Limited**
Address: 303 Aporo Road
Tasman
7173
Website: www.waikaitu.com
Telephone: +64 3 970 0302
Emergency No: 0800 764 766 (National Poison Centre)
Date of SDS Preparation: 11 August 2021 v2

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 3. Composition / Information on Hazardous Ingredients

Ingredients	Wt%	CAS NUMBER.
Calcium lignosulfonate	>=93%	8061-52-7
Non hazardous	To bal	

Section 4. First Aid Measures

Routes of Exposure:

If in Eyes: Promptly wash eyes with plenty of water while lifting the eye lids. Remove any contact lenses and continue rinsing with water for at least 15 minutes (keep the eyelids open). Contact physician if symptoms appears.

If on Skin: Rinse with water. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water. Consult a doctor if symptoms should occur.

If Swallowed: Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Contact physician if symptoms appears.

If Inhaled: Move the exposed person to fresh air at once. In the event of irregular breathing, unconsciousness and respiratory paralysis, administer artificial respiration. Get medical attention if any discomfort continues.

Most important symptoms and effects, both acute and delayed

Symptoms: None known.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from products	Dust may form explosive mixture with air. In the event of a fire, carbon monoxide and carbon dioxide are emitted. Sulphur oxides (SOx)
Suitable Extinguishing media	Can be extinguished with water, powder, foam, sand or carbon dioxide. Do not use a direct water jet that could spread the fire.
Precautions for firefighters and special protective clothing	General: Evacuate all personnel, use protective equipment for firefighting. Use a portable breathing apparatus when the product is involved in a fire.
HAZCHEM CODE	None Allocated

Section 6. Accidental Release Measures

Wear protective gear as detailed in Section 8. Evacuate all unnecessary personnel. Ensure adequate ventilation

Do not allow to enter drains and water courses.

Collect with vacuum cleaner or carefully sweep together and collect. Avoid generation and spreading of dust. Rinse clean with water. Powder to be collected, sealed tightly in bags and disposed according to section 13.

Section 7. Handling and Storage

Precautions for Handling:

- Provide good ventilation.
- Avoid generation and spreading of dust.
- Do not breathe dust.
- Use personal protective.

Precautions for Storage:

- Store dry.

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 an exposure limit

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

Provide good ventilation. Emergency shower and facilities for eye rinsing shall be available. Wash at the end of each work shift and before eating, smoking and using the toilet.

Personal Protection Equipment



Eyes	Use approved safety goggles or face shield.
Skin	Wear suitable gloves and protective clothing as necessary.
Respiratory	Respirator with P2 particle filter.

Section 9 Physical and Chemical Properties

Appearance	Syrupy
Colour	Dark brown/black
Odour	Strong earthy smell
Odour Threshold	Not available
pH	4-5
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
Density	1.07 – 1.08
Specific Gravity	Not available
Water Solubility	Not available
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available
Organic solvents:	Not available
Water:	
Other information	

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reactions known.
Conditions to Avoid	Protect against moisture.
Incompatible Materials	None known.
Hazardous Decomposition Products	No dangerous reactions known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not applicable. LD50 (rat) = 15000mg/kg
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.

Individual component information:

Acute Toxicity:

Chemical Name	Oral – LD50	Dermal – LD50	Inhalation – LC50
Calcium Lignosulfonate	>5000mg/kg (rat)	-	-

Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

Product:	
Persistence and degradability	Expected to be readily biodegradable.
Bioaccumulation	No bioaccumulation.
Mobility in Soil	Water soluble.
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Precautions or 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 classified hazardous according to the EPA Hazardous Substances (Classification) Notice 2020

Section 16 Other Information

Glossary

EC ₅₀	Median effective concentration.
EEL	Environmental Exposure Limit.
EPA	Environmental Protection Authority
HSNO	Hazardous Substances and New Organisms.
HSW	Health and Safety at Work.
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

References:

1. EPA Hazardous Substances (Safety Data Sheets) Notice 2017
2. Workplace Exposure Standards and Biological Exposure Indices Nov 2020 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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