



SAFETY DATA SHEET

Section 1.	Identification of the material and the supplier
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Product:	Nutrikelp Plus
Item Code:	M-N1625, M-N1625-20, M-N1625-200, M-N1625-5
Product Use:	Liquid Fertiliser
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	HortFertplus
Address:	18 Cabernet Crescent Westgate Auckland, 0614
Telephone:	+64 9 478 5585
Emergency No:	0800 764 766 (National Poison Centre)
Date of SDS Preparation:	15 July 2019 v 2

Section 2.	Hazards Identification
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This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

Section 3.	Composition / Information on Ingredients
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Ingredients	Wt%	CAS NUMBER.
Non hazardous ingredients	To 100	-

Section 4.	First Aid Measures
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Routes of Exposure:

If in Eyes	Rinse cautiously with water for 15 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 mouth. Never give anything to the mouth of an unconscious person. If vomiting occurs, place victim face downwards, with the head turned to the side and lower than the hips to prevent vomit entering the lungs. Seek medical attention 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.

Section 5.	Fire Fighting Measures
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Product Name: Nutrikelp Plus	Issued by: Technical Compliance Consultants (NZ) Ltd
Date of SDS: 15 July 2019	Tel: 64 9 475 5240 www.techcomp.co.nz

Hazard Type	Not flammable
Hazards from combustion products	None known
Suitable Extinguishing media	Water spray or fog or Foam
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus plus suitable protective clothing. Prevent spillage from entering drains and water courses. Use firefighting procedures suitable for surrounding area. Do not approach containers suspected to be hot. Cool fire exposed containers with water spray from a protected location. If safe to do so, remove containers from path of fire. Equipment should be thoroughly decontaminated after use. When any large container (including road and rail tankers) is involved in a fire, consider evacuation by 100 metres in all directions.
HAZCHEM CODE	None allocated

Section 6. Accidental Release Measures

Wear protective equipment as detailed in Section 8. Clear area of any unprotected personnel.

Clean up spill immediately and put into a container for disposal. Do not allow to enter waterways.

Slippery when wet. Cordon off for road and pedestrian traffic. Dispose of according to Local Regulations.

Section 7. Handling and Storage

Precautions for Handling:

- Read label before use.
- Use in well ventilated area.
- Wear protective clothing.

Precautions for Storage:

- Store in original containers.
- Keep containers securely sealed.
- Store in a cool, dry area <15 °C, protected from environmental extremes.
- Store away from incompatible materials and foodstuff containers.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

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

Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection.

Personal Protection Equipment

Eyes	Wear goggles with side shields.
Hands and Skin	Wear gloves to prevent irritation and drying of skin, always wash hands before eating, drinking or using the toilet. Wear overalls, and protective footwear to prevent contact with skin, chemical resistant apron if necessary. Wash contaminated clothing and other protective equipment before storage or re-use.
Respiratory	Not required.
General	Do not eat, drink or smoke while using this product. Remove protective clothing and wash hands and face before meals and after work. Wash protective clothing daily after work.

Section 9 Physical and Chemical Properties

Appearance	Dark Brown Liquid
Odour	Characteristic seaweed odour
Odour Threshold	Not available
pH	Not applicable
Boiling Point	Not available
Melting Point	Not available
Freezing Point	Not available
Flash Point	Not available
Flammability	Not applicable
Upper and Lower Explosive Limits	Not available
Vapour Pressure	Not available
Vapour Density	Not available
Specific Gravity	1.2
Solubilities	Soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not applicable

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions of use and storage.
Conditions to Avoid	None known.
Incompatible Materials	Avoid Oxidizing Agents
Hazardous Decomposition Products	Not known.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Swallowing may result in irritation of the gastrointestinal tract. Ingestion of large quantities may lead to vomiting, abdominal pain.
Dermal	Not applicable.
Inhalation	Material may be an irritant to mucus membranes and respiratory tract.
Eye	May be an irritant.
Skin	Irritant. May cause dermatitis. Risk of sensitisation.

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	Not likely to Bi-accumulate
Mobility in Soil	No data available
Other adverse effects	No data available

Section 13. Disposal Considerations

Disposal Method:

Dispose in accordance with all applicable regulations. It is the responsibility of the user of the product to determine, at the time of disposal.

Precautions and methods to avoid:

Do not allow to enter waterways. Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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 EPA Hazardous Substances (Classification) Notice 2017

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.

Disclaimer

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

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