

## SAFETY DATA SHEET

### Section 1. Identification of the material and the supplier

Product: **Basfoliar Kelp SL**  
 Item Code:  
 Product Use: Fertiliser  
 Restriction of Use: Refer to Section 15

New Zealand Supplier: Horticulture Ltd  
 Address: 10 Firth Street  
 Drury, 2114

Telephone: +64 9 294 8453  
 Fax Number: +64 9 294 7272

**Emergency Telephone: 0800 764 766 (National Poison Centre)**

Date of SDS Preparation: 23 August 2022 v2

### Section 2. Hazards Identification

**Not classified as hazardous according to Regulation (EC) No. 1272/2008 which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.**

### Section 3. Composition / Information on Ingredients

Ingredients	Wt%	CAS NUMBER.
Non-hazardous ingredients	To 100	-

### 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 mouth and drink water as a precaution. Call a doctor/physician if you feel unwell.

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 for Doctor:** Treat symptomatically.

### Section 5. Fire Fighting Measures

<b>Hazard Type</b>	Non-flammable.
<b>Hazards from combustion products</b>	Can decompose at above 100 °C. Thermal decomposition products: Isobutyl aldehyde
<b>Suitable Extinguishing media</b>	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
<b>Precautions for firefighters and special protective clothing</b>	No special precautions required. Cool endangered containers with water-spray. 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 protective equipment as detailed in Section 8. Ensure adequate ventilation. Clear area of any unprotected personnel. In case of involuntary exposition of the product contact producer or supplier.

Prevent further leakage or spillage. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). After cleaning, flush away traces with water.

Dispose of according to Local Regulations.

### Section 7. Handling and Storage

#### Precautions for Handling:

- Read label before use.
- Avoid contact with skin, eyes and clothing.
- Wash hands before breaks and at the end of workday

#### Precautions for Storage:

- Keep away from heat.
- Keep away from direct sunlight.
- Keep away from food, drink and animal feed.
- Storage temp: 5 – 40°C

### 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

No specific controls are needed.

## Personal Protection Equipment:

<b>Eyes</b>	Not required
<b>Hands and Skin</b>	For prolonged or repeated contact use protective gloves.
<b>Respiratory</b>	Not required, except in case of aerosol formation.

## Section 9 Physical and Chemical Properties

<b>Appearance</b>	Green Liquid
<b>Odour</b>	Characteristic
<b>Odour Threshold</b>	Not available
<b>pH</b>	ca. 4,6 - 4,8 (20 °C)
<b>Boiling Point</b>	Ca 100°C
<b>Melting Point</b>	0°C
<b>Freezing Point</b>	Not available
<b>Flash Point</b>	Not available
<b>Flammability</b>	None
<b>Lower Explosive Limits</b>	Not available
<b>Vapour Pressure</b>	Not available
<b>Vapour Density</b>	Not available
<b>Relative Density</b>	Not available
<b>Density (20°C)</b>	ca.1.06 g/cm <sup>3</sup>
<b>Solubilities: Water Solubility</b>	soluble
<b>Partition Coefficient: n Octanol/water</b>	Not available
<b>Auto-ignition Temperature</b>	not auto-flammable
<b>Decomposition Temperature</b>	Not available
<b>Kinematic Viscosity</b>	Not available
<b>Particle Size</b>	Not available

## Section 10. Stability and Reactivity

<b>Stability of Substance</b>	This product is stable under normal conditions.
<b>Conditions to Avoid</b>	Keep away from direct sunlight.
<b>Incompatible Materials</b>	Strong bases Oxidizing agents
<b>Hazardous Decomposition Products</b>	No decomposition if stored and applied as directed.

## Section 11 Toxicological Information

### Acute Effects:

<b>Swallowed</b>	Not applicable. LD50 (Rat): > 2.000 mg/kg
<b>Dermal</b>	Not applicable. LD50 (Rat): > 2.000 mg/kg
<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>	Not applicable.
<b>Germ Cell Mutagenicity</b>	Not applicable.
<b>Aspiration</b>	Not applicable.
<b>STOT/SE</b>	Not applicable.
<b>STOT/RE</b>	Not applicable.

## Section 12. Ecotoxicological Information

This product is not hazardous to the environment.

### Toxicity

#### Product:

Toxicity to fish : LC50 (Cyprinus carpio (Carp)): > 1.000 mg/l

Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna): > 1.000 mg/l aquatic invertebrates

Exposure time: 48 h

Toxicity to algae : EC50 (unspecified algae): > 100 mg/l

<b>Persistence and degradability</b>	Inherently biodegradable.
<b>Bioaccumulation</b>	Bioaccumulation is unlikely.
<b>Mobility in Soil</b>	No data available
<b>Other adverse effects</b>	Inhibition of degradation activity in activated sludge is not to be anticipated when introduced to biological treatment plants in appropriate low concentrations.

Do not allow to enter waterways.

## Section 13. Disposal Considerations

**Disposal Method:** Triple rinse and dispose 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 5433:2020**

## Section 15 Regulatory Information

**Not classified as hazardous according to Regulation (EC) No. 1272/2008 which meets New Zealand jurisdiction criteria as per EPA Hazardous Substances (Classification) Notice 2020.**

## Section 16 Other Information

### 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.

Product Name: Basfoliar Kelp SL  
Date of SDS: 23 August 2022

SDS Prepared by: Technical Compliance Consultants (NZ) Ltd  
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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 APRIL 2022 edition.
3. Assigning a hazardous substance to a HSNO Approval (Aug 2013).
4. Transport of Dangerous goods on land NZS 5433:2022
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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