SAFETY DATA SHEET

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

Section 1. Identification of the material and the supplier

Product:	**FishBoost**
Product Use:	Plant Nutrition
Description:	Fish soluble is the liquid water by product that is produced during the fish rendering process where food grade fish trimmings are heat treated, pressed, decanted and the liquid evaporated to form a concentrate of between 33-35% solids, target 34%. This is generally sold as a fertilizer additive
Restriction of Use:	Refer to Section 15
New Zealand Supplier:	**Waikaitu Limited**
Address:	303 Aporo Road Tasman Nelson, 7173
Website:	www.waikaitu.com
Telephone:	+64 3 970 0302
Emergency No:	**0800 764 766 (National Poison Centre)**
Date of SDS Preparation:	6 January 2020

Section 2. Hazards Identification

This substance is NOT hazardous according to the EPA Hazardous Substances (Classification) Notice 2017

Section 3. Composition / Information on Hazardous Ingredients

No hazardous products.

Description: Food grade fish trimmings >95%
Other Biological products
Stabilising Acid

Section 4. First Aid Measures

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	If ingested, do not induce vomiting. Give a few sips of water or milk to drink. Do not give excessive fluids. Call a POISON CENTRE or doctor/physician for advice.

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. Apply artificial respiration if not breathing. Get medical advice if breathing becomes difficult.

Most important symptoms and effects, both acute and delayed
Symptoms: None known.

Section 5. Fire Fighting Measures

Hazard Type	Non Flammable
Hazards from combustion products	If involved in a fire, toxic gases such as carbon dioxide, nitrogen oxides and other pyrolysis products typical of burning organic material.
Suitable Extinguishing media	Use as appropriate for surrounding materials.
Precautions for firefighters and special protective clothing	Wear self-contained breathing apparatus.
HAZCHEM CODE	**None Allocated**

Section 6. Accidental Release Measures

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

Do not allow to enter drains and water courses.

Collect into sealed containers. Wash area with water, but do not allow washings to enter waterways or stormwater drains. Dispose of according to Local Regulations.

Section 7. Handling and Storage

Precautions for Handling:
- Storage and work areas should be well ventilated.
- Follow application information for dilution and dosage rates.
- Do not store in diluted form.
- Wash hands after use.

Precautions for Storage:
- Store in a cool, dry, well ventilated area, away from direct sunlight.
- Store away from incompatible materials listed in Section 10.

Section 8 Exposure Controls / Personal Protection

WORKPLACE EXPOSURE STANDARDS (provided for guidance only)

	TWA		STEL	
Substance	**ppm**	**mg/m³**	**ppm**	**mg/m³**

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 2019 11TH EDITION.

Engineering Controls
Use in a well-ventilated area.

Personal Protection Equipment

Eyes	Safety glasses or goggles.
Skin	Wear Overalls and gloves
Respiratory	If spraying, respiratory protection should be worn.

Section 9 Physical and Chemical Properties

Appearance	Liquid
Colour	Brown
Odour	Slight
Odour Threshold	Not available
pH	2.5 – 3.5
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
Vapour Density	Not available
Specific Gravity	1.10
Water Solubility	Soluble
Partition Coefficient:	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Kinematic Viscosity	Not available
Particle Characteristics	Not available

Section 10. Stability and Reactivity

Stability of Substance	This product is stable under normal conditions.
Conditions to Avoid	None known.
Incompatible Materials	Oxidising agent, strong acids, alkalis.
Hazardous Decomposition Products	If involved in a fire, toxic gases such as carbon dioxide, nitrogen oxides and other pyrolysis products typical of burning organic material.

Section 11 Toxicological Information

Acute Effects:

Swallowed	Not triggered however if swallowed may result in nausea, vomiting and diarrhea.
Dermal	Not applicable.
Inhalation	Not triggered however if inhaled may be irritating to mouth, nose and eye.
Eye	Not triggered however may cause eye irritation
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

This product is not hazardous to the environment.

Product:	
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 Method:
Product should be applied to land at the recommended dosage rates.
Surplus or contaminated product unable to be used for intended purpose, may be able to be disposed of at an approved landfill, check with your local council.
Precautions or methods to avoid: Empty containers should be thoroughly cleaned prior to re-use or recycling.

Section 14 Transport Information

This product is NOT classified as a Dangerous Good for transport in NZ ; NZS 5433:2012

This product is NOT classified as a Dangerous Good for transport under IATA or IMDG
This product is NOT classified as a Dangerous Good for transport (Road/Rail)

Section 15 Regulatory Information

This substance is NOT classified 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.
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 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

Disclaimer

This document has been prepared by TCC (NZ) Ltd and serves as the suppliers Safety Data Sheet ('SDS'). It is based on information concerning the product which has been provided to TCC (NZ) Ltd or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer. While TCC (NZ) have taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, TCC (NZ) Ltd accept no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS

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

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