SAFETY DATA SHEET

SECTION 1: PRODUCT IDENTIFYER & IDENTITY FOR THE CHEMICAL

1.1 Product Identifier

Product Name	**Eco Stim**
Synonym(s)	Eco Boost

1.2 Relevant identified uses of the substance or mixture and uses advised against

Use(s)	Agricultural & Horticultural applications, Fertilizer For foliar treatment of crops to provide a source of biostimulants and trace elements.

1.3 Details of the supplier of the safety data sheet

Supplier	Ultra Grow Pty Ltd t/as Fair Dinkum Fertilizers 4 Glenbarry Road, Campbellfield Vic 3061 T: +61 (0) 3 9357 5488 E: office@fairdinkumfertilizers.com

1.4 Emergency telephone number

03 9357 5488

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance

NOT CLASSIFIED AS HAZARDOUS according to Safe Work Australia Criteria	**NOT CLASSIFIEID AS DANGEROUS GOODS** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)
2.2 Label elements	No signal word, pictograms, hazard or precautionary statements have been allocated.
2.3 Other hazards	No information provided

SECTION 3: HAZARD IDENTIFICATION

3.1 Substances / Mixtures

Ingredient	*CAS Number*	*EC Number*	*Content*
Hydrolysed Protein	N/A	-	35% to 55%
Water			30% to 40%
Proprietary Ingredients			<15%

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Inhalation	IF INHALED: remove patient from contaminated area. Apply artificial respiration if not breathing.
Skin	IF ON SKIN: Wash with plenty of soap and water. Remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by a poisons Information Centre or a doctor.
Ingestion	For advice, contact a Poisons Information Centre on 13 11 26 (Australia wide) or a doctor (at once).
First aid facilities	None allocated

4.2 Most important symptoms and effect, both acute and delayed

Adverse effects not expected from this product under normal conditions of use

4.3 Immediate medical attention and special treatment needed

Treat symptomatically

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media	Use an extinguishing agent suitable for the surrounding fire
5.2 Special hazards arising from the substance or mixture	Non flammable. May evolve toxic gases if strongly heated.
5.3 Advice for firefighters	No fire or explosion hazard exists
5.4 Hazchem code	None allocated

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures	Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS
6.2 Environmental precautions	Prevent product from entering drains and waterways
6.3 Methods of cleaning up	Contain spillage, then cover/absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.
6.4 Reference to other sections	See Sections 8 and 13 for exposure controls and disposal

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling	Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.
7.2 Conditions for safe storage, including any incompatibilities	Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
7.3 Specific end use(s)	

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Exposure standards	No exposure standards have been entered for this product
Biological limits	No biological limit values have been entered for this product

8.2 Exposure controls

Engineering controls		Avoid inhalation. Use in well ventilated areas
PPE	**Eye/Face**	Wear splash-proof goggles
	Hands	Wear PVC or rubber gloves
	Body	When using large quantities or where heavy contamination is likely, wear coveralls
	Respiratory	Not required under normal conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Dark Brown / Black coloured liquid
Odour	Earthy musky / Ammonia smell
Flammability	Non flammable
Flash point	Not relevant
Boiling point	>100^{O}C
Melting point	<0^{O}C
Evaporation rate	< for water
pH	10 – 11

Vapour density	Not available
Specific gravity	1.20 (approx.)
Solubility (water)	Soluble
Vapour pressure	< 10 mm Hg @ 20^{O}C
Upper explosion limit	Not Available
Lower explosion limit	Not Available
Partition coefficient	Not Available
Autoignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	Not Available
Explosive properties	Not Available
Oxidising properties	Not Available
Odour threshold	Not Available

9.2 Other Information

% Volatiles	> 30% (Water)

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Carefully review all information provided in sections 10.2 to 10.6
10.2 Chemical stability	Stable under recommended conditions of storage
10.3 Possibility of hazardous reactions	Polymerization is not expected to occur
10.4 Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources
10.5 Incompatible materials	Incompatible with oxidising agents (e.g. hypochlorites) and acids (e.g. nitric acid)
10.6 Hazardous decomposition products	May evolve toxic gases if heated to decomposition

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	This product is expected to be of low acute toxicity. Under normal conditions of use, adverse health effects are not anticipated.
Skin	Not classified as a skin irritant. Contact may result in mild irritation.
Eye	Not classified as an eye irritant. Contact may cause mild discomfort.
Sensitisation	Not classified as a skin or respiratory sensitisation.
Mutagenicity	Not classified as a mutagen.
Carcinogenicity	Not classified as a carcinogen.
Reproductive	Not classified as a reproductive toxin.
STOT- single exposure	Not classified as causing organ damage from single exposure.

STOT – repeated exposure Not classified as causing organ damage from repeated exposure.

Aspiration Not classified as causing aspiration.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity — No information provided.

12.2 Persistence and degradability — No information provided.

12.3 Bioaccumulative potential — No information provided.

12.4 Mobility in soil — No information provided.

12.5 Other adverse effects — Plant nutrients may be beneficial to plants at low levels, however at high levels may cause reduced growth or burns in sensitive species. Excess may be washed through soil to waterways. Nutrients released to waterways may cause algal blooms, with potential for toxic effects on aquatic organisms.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Waste disposal For small amounts, absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer / supplier for additional information (if required). Ensure that appropriate personal protective equipment is used during disposal.

Legislation Dispose of in accordance with relevant local legislation.

SECTION 14: TRANSPORT INFORMATION

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMGD or IATA

	LAND TRANSPORT (ADG)	*SEA TRANSPORT (IMDG/IMO)*	*AIR TRANSPORT (IATA/ICAO)*
14.1 UN Number	None allocated	None allocated	None allocated
14.2 Proper Shipping name	None allocated	None allocated	None allocated
14.3 Transport hazard class	None allocated	None allocated	None allocated
14.4 Packing Group	None allocated	None allocated	None allocated

14.5 Environmental hazards — No information provided

14.6 Special precautions for user

Hazchem code Non allocated

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance of mixture

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poison (SUSMP)
Classifications	Safe Work Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals. The classification and phrases listed below are based on the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)]
Hazard codes	None Allocated
Risk phrases	None Allocated
Safety phrases	None Allocated
Inventory listing(s)	**AUSTRALIA: AICS (Australian Inventory of Chemical Substances)** All components are listed on AICS, or are exempt.

SECTION 16: OTHER INFORMATION

Additional information

EXPOSURE STANDARDS – TIME WEIGHTED AVERAGES:
Exposure standards are established on the premise of an 8 hour work period of normal intensity, under normal climatic conditions and where a 16 hour break between shifts exists to enable the body to eliminate absorbed contaminants. In the following circumstances, exposure standards must be reduced: Strenuous work conditions; hot, humid climates; high altitude conditions; extended shifts (which increase the exposure period and shorten the period of recuperation).

PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:
The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

Abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS#	Chemical Abstract Service number – used to uniquely identify chemical compounds.
CNS	Central Nervous System
EC No	EC No – European Community Number
EMS	Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS	Global Harmonized System
GTEPG	Group Text Emergency Procedure Guide
IARC	International Agency for Research on Cancer
LC50	Lethal Concentration, 50% / Median Lethal Concentration
LD50	Lethal Dose, 50% Median Lethal Dose
mg/m^3	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
pH	Relates to hydrogen ion concentration using a scale of 0 (High acidic) to 14 (highly alkaline)
ppm	Parts Per Million
STEL	Short-Term Exposure Limit
STOT-RE	Specific target organ toxicity (repeated exposure)
STOT-SE	Specific target organ toxicity (single exposure)
SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
SWA	Safe Work Australia
TLV	Threshold Limit Value
TWA	Time Weighted Average
FDF	Fair Dinkum Fertilizers

Report status

This document has been compiled by Fair Dinkum Fertilizers (FDF), the manufacturer, and serves as the Safety Data Sheet (SDS).
It is based on information determined by the manufacturer 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, importer or supplier.
While FDF has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to the accuracy or completeness. AS far as lawfully possible FDF accepts 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.

Prepared by:

Ultra Grow Pty Ltd, t/as Fair Dinkum Fertilizers
4 Glenbarry Rd
Campbellfield Vic 3061
Phone: +61 3 9357 5488
Fax: +61 3 9357 5388
Email: office@fairdinkumfertilizers.com
www.fairdinkumfertilizers.com

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