

MATERIAL SAFETY DATA SHEET

KELP

1. IDENTIFICATION OF MATERIAL AND SUPPLIER

Product Name **KELP**
Product Type Liquid Fertiliser
Product Use Fertiliser . Directions detailed on product label
Company Name L. Lambrou Agro Ltd
Address Othellou 11, Dhali Industrial Area, 2540 Dhali, Nicosia, Cyprus, info@lambrouagro.com.cy
Emergency Tel.
Telephone +357 22667908
Fax Number +357 22667157
Poisons Information Centre 1401

2. HAZARDS IDENTIFICATION

Not hazardous according to GHS.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterisation Liquid

	<u>NAME</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION</u>
Ingredients	Ecklonia Maxima proprietary blend	n/a	10 - 50%
	Other ingredients (considered non-hazardous)	n/a	Balance to 100%

4. FIRST AID MEASURES

Inhalation Remove victim from area of exposure to fresh air. If effects persist seek medical advice. Symptoms may include nausea, headache, pain and gastrointestinal irritation.

Ingestion Do not induce vomiting. Rinse mouth with water. If swallowed, give large quantities of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention if effects persist.

Skin In case of skin contact, immediately remove contaminated clothing and wash affected area with water and soap. Seek medical attention if symptoms occur

Eyes In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if symptoms occur

Advise to Doctor Treat symptomatically, no specific antidote

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5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use fire extinguishing media suitable to surrounding fire conditions. Spray water, foam or carbon dioxide
Hazardous Combustion Product	If involved in a fire, not combustible, but may support combustion of other materials. Some gases may be released.
Special Protective Equipment and Precautions for Fire Fighter	Wear SWA approved self-contained breathing apparatus and full protective clothing.
Unusual fire or explosion Hazards	Product does not present an explosion hazard
Explosion Hazards	Not applicable
Hazchem Codes	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures	Wear SWA approved self-contained breathing apparatus and full protective clothing. For further details refer to section 8
Environmental Precautions	In the event of a major spill, prevent spillage from entering drains or water courses. Spills to soil or similar surface may necessitate removal of top soil. The affected area should be placed in appropriate container for disposal
Methods and Materials for Containment and Cleaning Up	Slippery when spilt. Clean up all spills immediately. Stop leak if safe to do so and absorb spill onto sand, earth, vermiculite or some other inert absorbent material. Collect the spilled material and place into a suitable container for disposal.

7. HANDLING AND STORAGE

Precautions for safe Handling	Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapors. Ensure adequate ventilation. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure
Conditions for Safe Storage	Store in a cool, dry and well ventilated area. Keep container tightly closed when not in use. Keep away from incompatible materials, organics or ammonia. Do not store with seed, chemicals or foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	An exposure standard has not been established however the following is recommended. TWA 10 mg/m ³
Engineering Controls	This product should be used in a well ventilated area. Avoid breathing in vapours. If natural Ventilation is not sufficient the use of a fan is recommended. Keep containers closed when not in use
Personal Protective Equipment (PPE)	
Respiratory Protection	In case of intensive or longer exposure use self-contained respiratory protective device. See Australian Standards AS/NZS 1715 and 1716 for more information
Eye/Face Protection	Safety glasses with top and side shields. See Australian Standards AS/NZS 1336 and 1337 for more information.
Skin Protection	Protective PVC gloves, protective overall, waterproof apron and safety boots. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information
Hygiene Measures	After use and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash contaminated clothing and safety equipment.
Requirements Concerning Special Training	Refer to your State or Territory legislation for required training guidelines

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9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Appearance	Green
Odour	None noted
Melting Point	N/A
Boiling Point	200°C
Solubility in Water	Yes
Specific Gravity	1.08
pH	4.7
Vapour Pressure (20°C)	As water
Volatile component	Volatility 6% max at 363 F. Stable in the presence of light and moisture
Flammability	Non combustible

10. STABILITY AND REACTIVITY

Chemical Stability	Stable at ambient temperature and under normal conditions of use.
Incompatible Materials	Avoid contact with strong bases, strong acids, strong oxidising agents.
Conditions to avoid	Excessive heat

11. TOXICOLOGICAL INFORMATION

Toxicology Information	Low toxicity
Inhalation	Breathing in mist or vapours may result in respiratory irritation. Side effects of inhalation of spray mists can include nausea, headaches, pain and gastrointestinal irritation
Ingestion	Ingestion is not a likely form of exposure. If however swallowing does occur, symptoms such as nausea, vomiting, pain and gastrointestinal irritation and diarrhoea may occur.
Skin	Irritation may result from prolonged and repeated exposure or contact with the concentrate.
Acute Toxicity - Oral	Calculated Rat Dermal LD50 < 70,000mg/kg
Acute Toxicity - Dermal	Calculated Rabbit Dermal LD50 > 40,000mg/kg
Acute Toxicity - Inhalation	No LD50 data available

12. ECOLOGICAL INFORMATION

Do not let this product enter drains, water bodies and sewerage systems. This product may be toxic to aquatic life. Undergoes

13. DISPOSAL CONSIDERATIONS

Product Disposal	This product should be used for its intended purpose. Contact local authorities who hold collections of unwanted chemicals (ChemClear® 1800008182) if disposal of this product is required. On site disposal of the concentrated product is not acceptable.
Container Disposal	Do not reuse this container for any purpose. Instructions outlining the disposal of the product container are given on the label. These should be carefully followed. Additional assistance is available from drumMUSTER (http://www.drummuster.com.au). DrumMUSTER is the national program for the collection and recycling of crop production and on-farm animal health chemical containers. View their website to find contact details for your area. Empty containers and product should not be burnt.

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14. TRANSPORT INFORMATION

Transport Information	It is recommended not to transport agricultural chemicals with foods, food related products and animal feed.
Storage and Transport	This product is not classed as a dangerous good for transport by the Australian Dangerous Goods Code (ADG Code) for the transport of dangerous goods by road or rail.
IMDG UN Number	This product is not classed as a Dangerous Good for transport by the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea

15. REGULATORY INFORMATION

Classification	Not classified as hazardous according to criteria of GHS
Poison Schedule	None allocated
Hazard Category	None allocated
AICS (AUST)	All of the components in this product are listed on the Australian Inventory of Chemical Substances

16. OTHER INFORMATION

Last revision of MSDS	Rev1.1 20/06/2017 GHS: Globally Harmonised System of Classification and Labelling of Chemicals ADG Code : Australian Dangerous Goods Code for the Transport of dangerous Goods by Road and Rail IMDG Code : International Maritime Dangerous Goods Code for transport by sea. SWA: Safe work Australia. Formerly ASCC and NOHSC AICS : Australian Inventory of Chemical Substances
Emergency Contacts	Agrobest Australia Pty Ltd: (07) 55 960 622 Agrobest Australia Pty Ltd - Emergency : 0419 758 458 Police and Fire Brigade : 000 Poison information Centre : 13 11 26

This MSDS Contains only safety-related information. For other data see product information

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Please read all labels carefully before using the product.