

### Section 1: Substance Identification and Supplier

<b>Product Name</b>	Big Value Liquid Plant Food
<b>Other Names</b>	No other name
<b>Chemical Formula</b>	No chemical formula
<b>Recommended Use</b>	Fertiliser (Consumer Use (SU21))
<b>Company Identification</b>	Daltons Limited
<b>Address</b>	266 Hinuera Road West Matamata, 3440 New Zealand
<b>Customer Centre</b>	Phone 0800 808 150 (New Zealand) Hours of operation: Monday-Friday 7:30am – 5:00pm
<b>National Poisons Information Centre</b>	Phone 0800 POISON (0800 764 766) Phone 0800 CHEMCALL (0800 243 622) 24hr Emergencies Only
<b>Emergency Telephone Number</b>	111 - Tell operator which services are required (fire, ambulance, police)

### Section 2: Hazard Identification

<b>HSNO Hazard Classifications</b>	6.3B 6.4A
<b>Signal Word</b>	Warning
<b>Hazard Statements</b>	May cause skin irritation. Causes eye irritation. Harmful to aquatic life. Harmful to terrestrial vertebrates.
<b>Prevention Statements</b>	Keep out of reach of children. Read label before use. Read Safety Data Sheet before use. Wash hands thoroughly after handling. Wear protective gloves and clothing.
<b>Response Statements</b>	If medical advice is needed, have product container or label at hand. Call a POISON CENTRE or doctor/physician if you feel unwell. Do NOT induce vomiting. <u>IF ON SKIN:</u> Wash with plenty of soap and water. If skin irritation occurs seek medical attention. Remove contaminated clothing and wash before re-use. <u>IF IN EYES:</u> Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so, then continue rinsing. If eye irritation persists, seek medical attention.
<b>Disposal</b>	Dispose of this product in accordance with the product label directions. Do not dispose of this product down drains, waterways, or sewers. Dispose of in an approved landfill or according to local area regulations.

### Section 3: Composition Information

Ingredient	Wt%	CAS No.
<i>Undaria pinnatifida</i> (brown algae seaweed)	<15%	-
Ammonium nitrate	1 - 10%	6484-52-2
Potassium nitrate	1 - 10%	7757-79-1
Potassium sulphate	1 - 10%	7778-80-5

**Section 4: First Aid Measures**

<b>First Aid Measures</b>	Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.
<b>Inhalation</b>	If ill effects occur, remove patient to fresh air and keep at rest in position comfortable for breathing. Seek medical assistance.
<b>Ingestion</b>	If swallowed, seek medical attention. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by a medical professional.
<b>Skin</b>	If skin contact occurs, remove contaminated clothing and wash affected area thoroughly with soap and water. If irritation persists, seek medical advice. Wash hands thoroughly before eating.
<b>Eye</b>	Immediately flush eyes with gentle stream of water until irritation ceases, holding eyelids open if necessary. Remove contact lenses if present and easy to do so. Seek medical attention if eye irritation or infection occurs.
<b>Advice to Physician</b>	Treat symptomatically.

**Section 5: Fire Fighting Measures**

<b>Combustion Products</b>	Not combustible.
<b>Extinguishing Media</b>	Use appropriate extinguishing media for the surrounding materials.
<b>Unsuitable Extinguishing Media</b>	None.
<b>Protective Equipment</b>	Use appropriate equipment including a breathing apparatus, goggles, and protective gloves.

**Section 6: Accidental Release Measures**

<b>Spills and Disposal</b>	Contain all spills immediately and soak up using cloths or other absorbent material. Dispose of used materials after use. Wear appropriate protective clothing. Avoid spillage by ensuring containers are tightly sealed.
<b>Protective Clothing</b>	For appropriate personal protective equipment, see section 8.
<b>Environmental</b>	Avoid unintended release of excessive amounts into waterways or sewers. If contamination of sewers or waterways occurs, advise local emergency services.

**Section 7: Handling and Storage**

<b>Handling</b>	Read the packaging information and the safety data sheet prior to opening and using this product. Pay particular attention to the information surrounding safe use and handling. Only use this product as intended. Keep away from animals and supervise children when using this product. Use only outdoors or in a well-ventilated area. Avoid skin, mouth, and eye contact. Do not eat, drink, or smoke when using this product or in areas that may come in contact with this product. Always wear gloves and wash hands immediately after use and particularly before eating, drinking, or smoking.
<b>Storage</b>	Store in a cool, dry, well-ventilated area. Ensure containers/ packages are

<b>Other Information</b>	adequately labelled or in their original packaging, protected from physical damage and sealed when not in use. Store away from children, animals, food, and drink.
<b>Approved Handler</b>	Avoid unintended release into the environment.
<b>Tracking</b>	Not required.
<b>Record Keeping</b>	Not required.

## Section 8: Exposure Control/Personal Protection

<b>Exposure Limits</b>	None assigned.
<b>Engineering Controls</b>	Use only in a well-ventilated area. Keep packaging closed when not in use.
<b>Protective Equipment</b>	<p><b>Respiratory Protection</b> Always ensure adequate ventilation. If required, wear a suitable mask or particulate respirator according to AS/NZS 1715/1716.</p> <p><b>Skin Protection</b> Avoid direct contact with skin. Always wear appropriate gloves such as nitrile gloves or those specified in AS/NZS 2161 and wash hands, arms and any skin which may have come into contact with the product with soap and water immediately after use and particularly before eating, drinking, or smoking. Wash any contaminated clothing and protective equipment before storing or reusing.</p> <p><b>Eye Protection</b> Avoid contact with eyes. If there is a risk of dust exposure wear dust resistant eye protection as specified in AS/NZS 1336.</p>

## Section 9: Physical and Chemical Properties

<b>Appearance</b>	Green – brown liquid
<b>Odour</b>	No specific odour.
<b>Odour threshold</b>	No data available.
<b>Bulk density</b>	1000 – 1200kg/m <sup>3</sup>
<b>pH</b>	No data available.
<b>Solubility in water</b>	Some solubility in water.
<b>Melting/freezing point</b>	No data available.
<b>Boiling point</b>	No data available.
<b>Flash point</b>	No data available.
<b>Flammability</b>	No data available.
<b>Upper/lower flammability</b>	No data available.
<b>Vapour pressure</b>	No data available.
<b>Vapour density</b>	No data available.
<b>Relative density</b>	No data available.
<b>Partition coefficient</b>	No data available.
<b>Auto-ignition temperature</b>	No data available.
<b>Decomposition temperature</b>	No data available.
<b>Kinematic viscosity</b>	No data available.

## Section 10: Stability and Reactivity

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to Avoid</b>	Avoid contact with foodstuffs, hands, eyes, and face. Avoid inhalation of dust. Avoid contact with other chemicals. Avoid excessive heat, ignition sources and open flames.
<b>Incompatible Materials</b>	Strong oxidizing agents.

# SAFETY DATA SHEET

## Big Value Liquid Plant Food

Hazardous Decomposition Products Unknown

### Section 11: Toxicological Information

*No adverse health effects should occur if the product is handled in accordance with this Safety Data Sheet and the recommendations made on the packaging.*

<b>Ingestion</b>	Ingesting large amounts of the product may cause nausea and vomiting and lead to abdominal discomfort and increased risk of gastrointestinal complaints.
<b>Skin</b>	Contact with skin may lead to skin irritation and in sensitive people may lead to dermatitis.
<b>Inhalation</b>	Inhalation may also lead to irritation or inflammation of the nose, throat, or lungs.
<b>Eye</b>	An irritant. May cause redness or watering and lead to irritation or infection.
<b>Toxicity data</b>	No data available.

### Section 12: Ecological Information

<b>Ecotoxicity</b>	Contain the media and avoid unintended release into streams, groundwater, and waterways.
<b>Persistence</b>	Not known to be persistent.
<b>Degradability</b>	No data available.
<b>Mobility</b>	No data available.
<b>Bioaccumulation</b>	Not known to bioaccumulate.
<b>Other adverse effects</b>	No data available.

### Section 13: Disposal Information

<b>Product disposal</b>	Observe any local authority, national and regional restrictions that may apply. Dispose of the product according to these observances. Dispose of the empty packaging by placing into domestic rubbish or according to local authority instructions.
-------------------------	--

### Section 14: Transport Information

<b>Transport Requirements</b>	Protect from extreme heat, moisture and strong acids or bases. Keep away from combustible materials, chloride salts, metal oxides, metallic powders, alkalis, organic substances.
<b>Road and Rail Transport</b>	Not classified as a Dangerous Good under NZ5433:2012 Transport of Dangerous Goods on Land.
<b>Air Transport</b>	Not classified as a Dangerous Good by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulation for transport by air: Non Dangerous Goods.
<b>Marine Transport</b>	Not Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG) for transport by sea. Non Dangerous Goods.

### Section 15: Regulatory Information

#### EPA New Zealand Approval Code

Based on available information, classified as a Fertiliser (Subsidiary Hazard) Group Standard HSR002571 according to the Hazardous Substances and New Organisms Act 1996.

**Section 16: Other Information**

This SDS supersedes all previous versions.

The data in this SDS relates only to the specific material designated herein and does not relate to use in combination with any other material. The information is provided in good faith based on current knowledge and experience. No warranty regarding the product properties is expressed or implied. This product must be used strictly as directed.

**Prepared and revised by**

Quality Assurance and Technical (Daltons Ltd)

**Reason for Issue**

To provide information and data on health and safety hazards of the product and to give guidance on how to safely handle in the workplace.

This Safety Data Sheet is provided in good faith based on current knowledge and experience and summarises the chemical, health, and safety hazards of this product. It also covers guidance on how to safely handle the product in the workplace.

**Daltons Ltd cannot control the conditions or environment where the product is used, and each user must prior to usage assess and control the risks arising from the use of this product.**

Contact Daltons Ltd if further information is required. Contact details are on Page 1.

**ALWAYS READ THE LABEL BEFORE USING THIS PRODUCT**