


### Section 1: Substance Identification and Supplier

<b>Product Name</b>	Daltons All Berry Fertiliser
<b>Other Names</b>	No other name
<b>Chemical Formula</b>	No chemical formula
<b>Recommended Use</b>	Fertiliser for consumer use
<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>	6.1E oral & dermal 6.3B 6.4A 9.1D
<b>Signal Word</b>	Warning
<b>Hazard Pictogram</b>	
<b>Hazard Statements</b>	May be harmful if swallowed. May be harmful in contact with skin. Causes mild skin irritation. Causes eye irritation. Harmful to aquatic life.
<b>Prevention Statements</b>	Read label before use. Read Safety Data Sheet before use. Do not breathe in dusts or fumes. Wear protective gloves, clothing, eye protection and face protection. Wash all exposed skin thoroughly after handling. Do not eat, drink or smoke when using this product.
<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. <u>IF SWALLOWED:</u> Call a poison centre or doctor. See section 1 for poison centre contact details.
<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.
Ammonium nitrate	20 - 45%	6484-52-2
Potassium sulphate	5 - 10%	7778-80-5
Iron sulphate	0.1 - 1%	7720-78-7
Copper sulphate, anhydrous	0.1 - 1%	7758-98-7
Manganese sulphate	0.1 - 1%	7785-87-7

### Section 4: First Aid Measures

#### First Aid Measures

**Consult the National Poisons Centre on 0800 POISON (0800 764 766) or a doctor immediately in every case of suspected poisoning.**

#### Inhalation

If ill effects occur, remove patient to fresh air and keep at rest in position comfortable for breathing. Seek medical assistance.

#### Ingestion

If swallowed, seek medical attention without delay. Never give anything by mouth to an unconscious person. Do NOT induce vomiting unless directed to do so by a medical professional.

#### Skin

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.

#### Eye

Immediately flush eyes with gentle stream of water until irritation ceases or for at least 15 minutes, holding eyelids open if necessary. Remove contact lenses if present and easy to do so. Seek medical attention if eye irritation or infection occurs.

#### Advice to Physician

Treat symptomatically.

### Section 5: Fire Fighting Measures

#### Hazardous Combustion Products

Carbon oxides. Phosphorus oxides. Ammonia. Nitrogen oxides. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

#### Extinguishing Media

Fine water spray.

#### Unsuitable Extinguishing Media

High pressure water streams, dry chemical, foam, sand.

#### Protective Equipment

Use appropriate equipment including a breathing apparatus, goggles, and protective gloves. During a fire, product may smoulder and show self-sustaining decomposition. Cool the decomposition front with water to extinguish fires.

#### HAZCHEM Code

None allocated.

### Section 6: Accidental Release Measures

#### Spills and Disposal

Protect yourself and others from injury and from inhaling any dust that may be present. Wear appropriate protective clothing. Contain all spills immediately and sweep up. Collect and place in sealable containers. Avoid generating dust. For large spills, alert emergency services.

<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. Do not breathe any dusts. 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 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. Do not store with oxidizing agents, self-igniting products, strong acids and bases. Keep away from flammable products and heat sources. Daltons All Berry Fertiliser may be subject to further requirements according to the Hazardous Substances (Emergency Management) Regulations 2001. If stored in quantities of more than 10 000 kilograms either alone or in combination with other hazardous substance an emergency plan and signage is mandatory. Avoid unintended release into the environment.
<b>Approved Handler</b>	Not required.
<b>Tracking</b>	Not required.
<b>Record Keeping</b>	Not required.

## Section 8: Exposure Control/Personal Protection

<b>Exposure Limits</b>	No value assigned for this specific product by EPA or NZ Department of Labour Health and Safety. Workplace Exposure Standards for particulates not otherwise classified: Inhalable Time Weighted Average (TWA): 10 mg/m <sup>3</sup> Respirable dust Time Weighted Average (TWA): 3 mg/m <sup>3</sup> Total Exposure Limit (TEL): Not assigned.
<b>Engineering Controls</b>	Use only in a well-ventilated area. Avoid generation and inhalation of dust. Keep packaging closed when not in use.
<b>Protective Equipment</b>	<p><b>Respiratory Protection</b> Always ensure adequate ventilation. Avoid breathing dust. 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 and ensure that the media is damp to reduce generation of dust.</p>

### Section 9: Physical and Chemical Properties

<b>Appearance</b>	Brown, green, grey, blue solid granules
<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>	Keep away from catalysts like derivatives of hexavalent chromium and metal halides. Keep away from flammable products
<b>Hazardous Decomposition Products</b>	Carbon oxides. Phosphorus oxides. Ammonia. Nitrogen oxides. Thermal decomposition can lead to release of irritating and toxic gases and vapours.

### 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 be harmful. May cause nausea, vomiting and abdominal discomfort, and increase the risk of gastrointestinal complaints.
<b>Skin</b>	Contact with skin may lead to skin irritation and dermatitis.
<b>Inhalation</b>	Inhalation of the product may irritate or aggravate pre-existing respiratory conditions such as hayfever or asthma. Inhalation may also lead to irritation or inflammation of the nose, throat, or lungs.
<b>Eye</b>	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>	No data available.
<b>Degradability</b>	No data available.
<b>Mobility</b>	No data available.
<b>Bioaccumulation</b>	No data available.
<b>Other adverse effects</b>	No data available.

### Section 13: Disposal Information

<b>Product disposal</b>	<p><b>Do not allow product or wash water to enter drains or waterways.</b></p> <p>Observe any local authority, national and regional restrictions that may apply. Dispose of the product according to these observances.</p> <p>Dispose of the empty packaging by placing into domestic rubbish or according to local authority instructions.</p>
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### Section 14: Transport Information

<b>Transport Requirements</b>	Protect from extreme heat, moisture and strong acids or bases.
<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.

**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.

**Disclaimer**

The information in this Safety Data Sheet is provided in good faith and based on current knowledge, experience, and information at the date of issue. The information herein is provided only as a guideline for safe product use, handling, storage, disposal and transportation.

No warranty regarding the product properties is expressed or implied.

This information relates exclusively to the product and may not be valid when used in combination with other materials or in other processes.

This product must be used strictly as directed.

**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**